

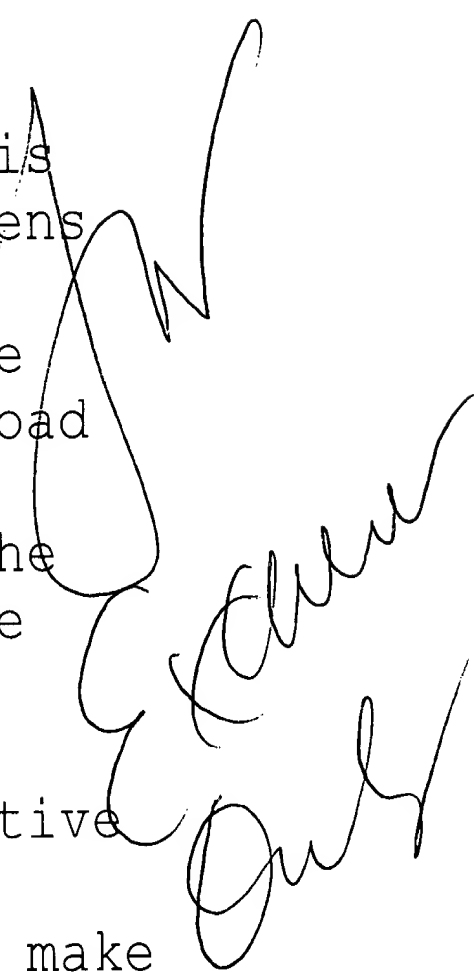
US-PAT-NO: 6487163

DOCUMENT-IDENTIFIER: US 6487163 B1

TITLE: Optical disk and optical  
disk apparatus

----- KWIC -----

The NA of the objective lens is limited by ease of making a lens and the tilt angle between the lens and the disk. The smaller the lens load (the thinner the optical disk substrate, the smaller the lens load) and the smaller the NA, the easier it is to make the objective lens. For an objective lens whose NA is nearly 0.6, it is possible to make the beam spot diameter smaller even with a single nonspherical lens. However

A large, stylized handwritten signature or scribble is present on the right side of the page, overlapping the printed text. It appears to be a cursive signature, possibly reading 'G. L. Lauer' or similar, with a large loop at the top and a long tail extending downwards.

with an objective lens used in the reproduction optical system for the optical disk, coma aberration occurs due to the tilt between the optical disk and the reproduction light beam caused by the tilt of the optical disk or the tilt of the optical axis of the objective lens.

L Number	Hits	Search Text	DB	Time stamp
1	72	(coma near2 aberration) and DVD and CD	USPAT	2002/12/12 15:11

09/978,596